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DETERGENTS AS EMULSION BREAKERS DURING THE PREPARATION OF OIL FOR PROCESSING.
[1963] 16p 9refs
Order from OTS, SLA, or ETC $1.60 TT-64-10997

Trans. of mono. Primenenie Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti (Vsesoyuznoe Soveshchanie po Primeneniyu Poverkhnostno-Aktivnykh Veshchestv v Neftyanoi Promyshlennosti i Ikh Proizvodstvu (no. 1) Baku, 1957. Trudy) Moscow, 1961, p. 112-125.

(Engineering--Chemical, '.T, v. 11, no. 11)

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I. Petrov, A. A.
II. Title: Vsesoyuznoe...

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Conjugated Systems. CXVII. Direction of Addition of Halogens to Vinylacetylenes, by A. A. Petrov, Yu. I. Porfir'yeva, T. V. Yakovleva, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 5, 1960, pp 1441-1444.

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Petrov, A. A.
RESEARCH ON CONJUGATED SYSTEMS. XIV. CONDENSATION OF DIENE HYDROCARBONS WITH METHYL VINYL KETONE: SYNTHESIS AND PROPERTIES OF 1, 2, 3, 6-TETRAHYDROACETOPHENONE AND ITS DERIVATIVES. [1961] 6p. 48 refs.
Order from OTS or SLA $1.10 61-18039

Trans. of Zhurnal Obshchei Khimii (USSR) 1941, v. 11, p. 309-313.

DESCRIPTORS: *Hydrocarbons, *Methyl radicals, *Vinyl radicals, *Ketones, Condensation reactions, *Acetophenones, Synthesis, Chemical properties.

Condensation of butadiene, isoprene, 2, 3-dimethyl-butadiene and 1, 3-cyclohexadiene with methyl vinyl ketone was investigated. Isolation and determination of the properties of 1, 2, 3, 6-tetrahydroacetophenone is reported, as well as the following derivatives of it: (Chemistry--Organic, TT, v. 6, no. 8) (over)

61-18039

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II. Title: Condensation...
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Conjugated Systems. CXXXVIII. Addition of Alkyl Hypobromites to α-Tert-butylbromoprene, by I. A. Maretina, A. A. Petrov, 4 pp.

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RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 7, 1961, pp 2161-2165.

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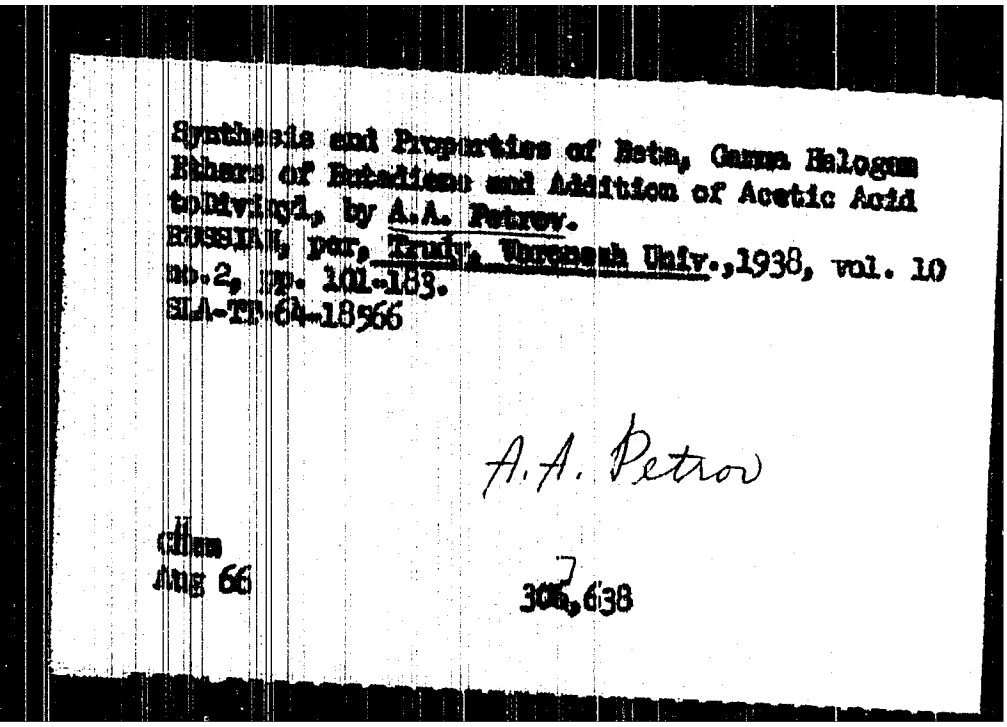

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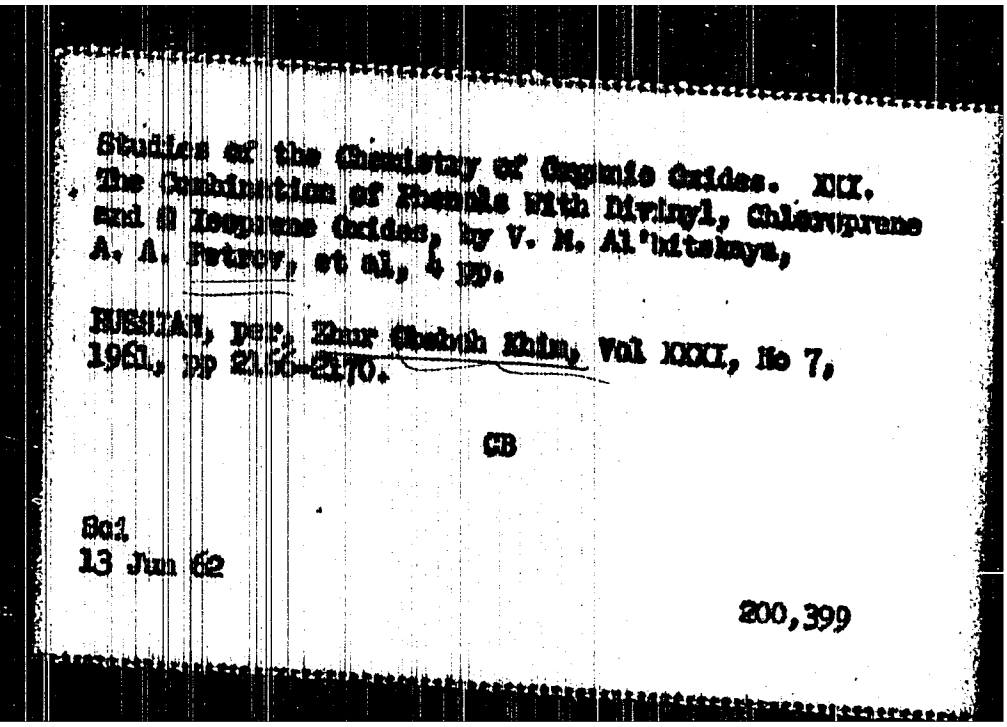

Studies of the Chemistry of Gaseous Oxides. XXI. The Combination of Phenols With Divinyl, Chloroprene and Isoprene Oxides, by V. N. Al'bitskaya, A. A. Petrov, et al, 4 pp.

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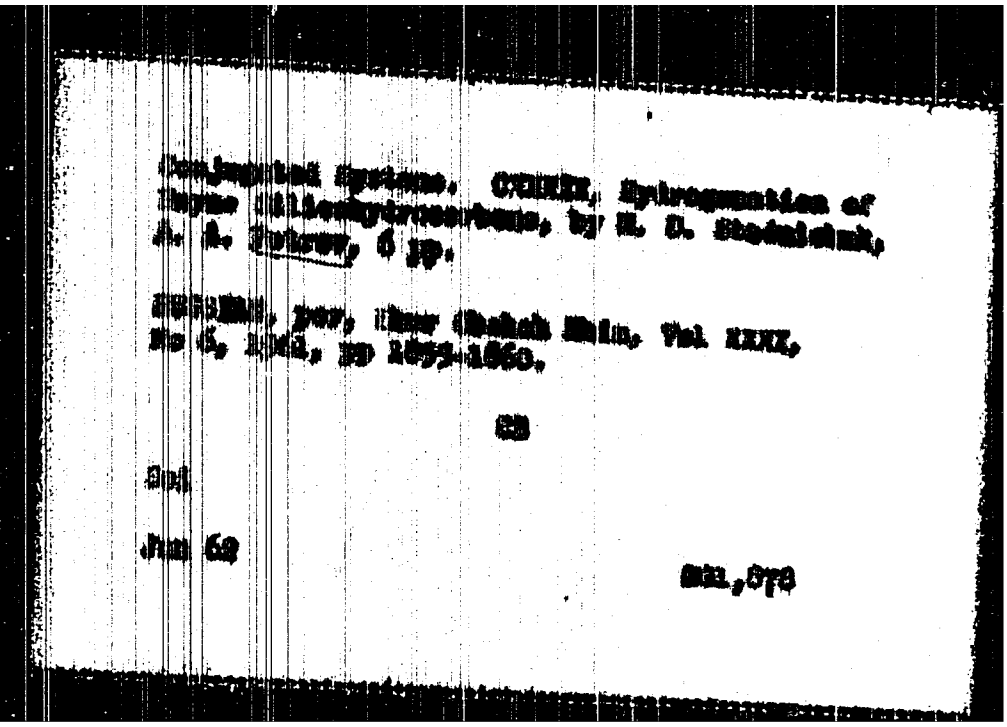

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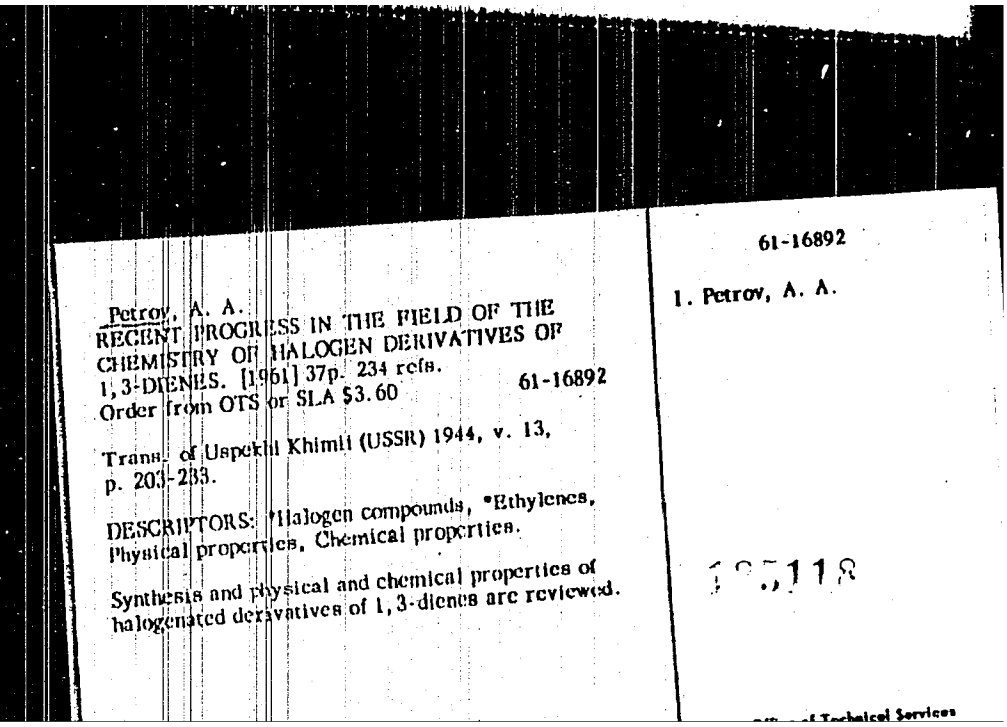

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RECENT PROGRESS IN THE FIELD OF THE CHEMISTRY OF HALOGEN DERIVATIVES OF 1,3-DIENES. [1961] 37p. 234 refs.
Order from OTS or SLA $3.60 61-16892

Trans. of Uspekhi Khimii (USSR) 1944, v. 13, p. 203-233.

DESCRIPTORS: *Halogen compounds, *Ethylenes, Physical properties, Chemical properties.

Synthesis and physical and chemical properties of halogenated derivatives of 1,3-dienes are reviewed.

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1. Petrov, A. A.

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Reactions of Chlorine-Containing Telomers of Dienes. III. Preparation of Aldehydes and Ketones from Products of Adding Tert-Butyl Chloride to Butadiene and Chloroprene, by A. A. Petrov, Z. N. Kolyaskina, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 5, 1960, pp 1450-1453.

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Exchange Reactions of Chlorine-Containing Telomers of Diene Hydrocarbons. I. Reactions between Some Lower Telomers of Diene Hydrocarbons and Amines, by A. A. Petrov, N. A. Razumova, M. L. Genusov, 5 pp

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Exchange Reactions of Chlorine-Containing Telomers of Diene Hydrocarbons. II. Reaction of 1-Chloro-5-methyl-, 1-Chloro-3, 5-dimethyl-, and 1,3-Dichloro-5-methyl-2, 6-octadiene With Sodium Acetoacetic Ester by A. A. Petrov, L. I. Bunina-Krivorukova, 4 pp.

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Investigations in the Field of Conjugated Systems.
CXXIX. The Order of Addition of Tertiary Alkyl Halides
to Propenyl-, Isopropenyl-, and Vinylmethylacetylenes.
by I. A. Maretina, A. A. Petrov, 6 pp.

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pp 423-428.
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Investigations in the Field of Conjugated Systems. CXXX. Arylhalogenation of Vinylacetylene by Phenyl-, p-Tolyl-, m-and p-Chlorophenyl-, and p-Anisyldiazonium Salts, by Yu. I. Kheruze, A. A. Petrov, 8 pp.

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Investigations in the Field of Conjugated Systems. CXXXI. Preparation of "Sesquiterpene" Chlorides by Telomerization of Piperylene, Isoprene, and Chloroprene with Dipiperylene Hydrochloride (2-Chloro-6-Methylnonadiene-3,7) and Conversion of Them to "Sesquiterpene Alcohols.", by E. Yu. Shvarts, A. A. Petrov, 3 pp.

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Vinylacetylene and Its Homologues, by A. A. Petrov, 20 pp.

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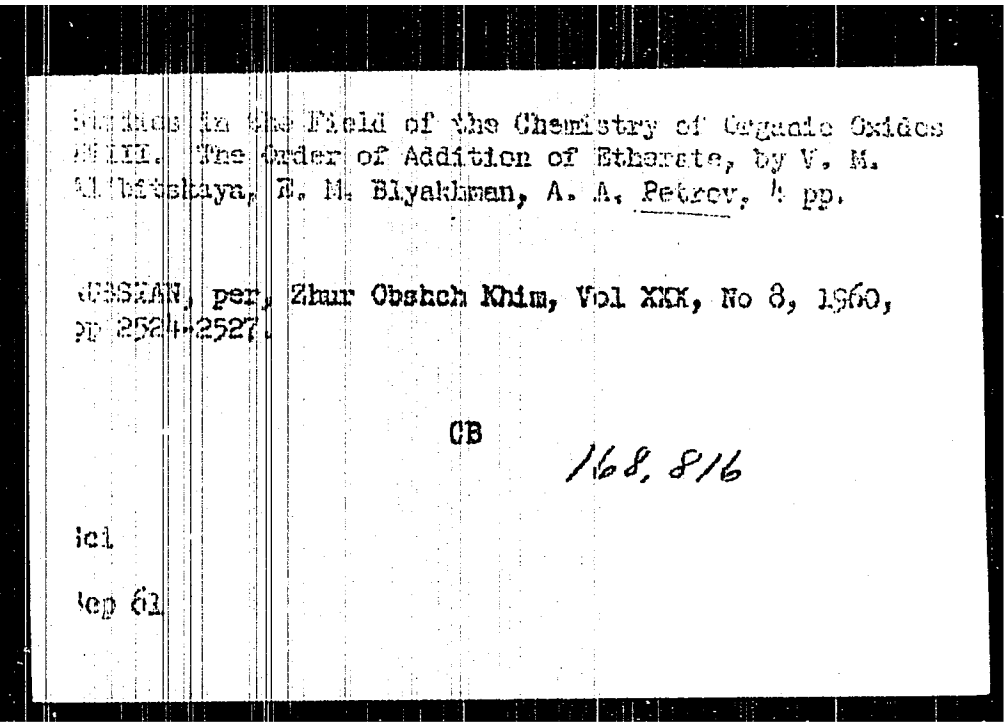

Studies in the Field of the Chemistry of Complex Oxides
XXIII. The Order of Addition of Ethanate, by V. M.
Mitsibaya, E. M. Blyakhman, A. A. Petrov, 4 pp.

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pp 2524-2527.

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Petrov, A. A.
CATALYTIC ISOMERIZATION OF HYDROCARBONS, tr. by Paula Schlarf. 1963, 162p. 317 refs. PL-480 Comm.
Order from OTS $1.75 63-11137

Trans. of mono. Kataliticheskaya Isomerizatsiya Uglevodorodov, Moscow, 1960 [231p.].

DESCRIPTORS: *Alkenes, *Alkanes, *Cycloalkanes, *Molecular isomerism, Catalysis, Hydrocarbons, *Petroleum, Ziegler catalysts.

Contents:
Isomeric conversion of $C_6 - C_8$ olefins. Reaction mechanism
The isomerization of cycloolefins
The isomerization of $C_{12} - C_{16}$ unsaturated hydro-

(Chemistry--Organic, TT, v. 10, no. 8) (over)

63-11137

I. Petrov, A. A.
II. PL-480 Comm (63-11137)
III. National Science Foundation, Washington, D. C.

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A Stabilized High Frequency Generator With Optical-Electronic Feedback, by A. M. Faddal, A. A. Petrov, 3 pp.

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Investigations in the Field of Conjugated Systems. CXIII. On Addition of Alkyllithiums to Vinylalkylacetylenes, by V. A. Kormer, A. A. Petrov, 4 pp.

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Investigations on Conjugated Systems. CXII. The Direction of Hydration of Allylmethylacetylene (1-Hexen-4-yne), by B. S. Kupin, A. A. Petrov, 4 pp.

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RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 12, 1959, pp 3992-3998.

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Investigations on Conjugated Systems. CIX. The Direction of Hydration of Isopropenylalkylacetylenes, by B. S. Kupin, A. A. Petrov, 5 pp.

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Conjugated Systems. CVIII. Synthesis and Properties of Some Alkylisoalkenyl-Acetylenes and Higher Homologs, of Vinylalkylacetylenes, by A. A. Petrov, B. S. Kupin, T. V. Yakovleva, K. S. Mingalieva, 6 pp.

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Investigations in the Field of Conjugated Systems. CV. Telomerization of Butadiene With Chloroprene Hydrochloride (1,3-Dichlorobutene-2), by A. A. Petrov, Kh. V. Bal'yan, L. I. Bunina-Krivorukova, T. V. Yakovleva, 4 pp.

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Investigations in the Field of Conjugated Systems.
XCIX. The Synthesis of Geranyl Chloride by the
Telomerization of Isoprene With Its 1,4-Hydrochloride,
by A. A. Petrov, Kh. V. Bal'yan, Yu. I. Khersze, E. Yu.
Sherstyuk, L. T. Chernenkova, 7 pp

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Investigations in the Field of Conjugated Systems.
XC. The Addition of 2-Chloro-3-pentene to Divinyl,
by A. A. Petrov, N. A. Razumova, M. L. Genusov,
7 pp.

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Investigations in the Field of Conjugated Systems. XCVII. Addition of Alcohols to Vinylalkylacetylenes in the Presence of KOH, by B. S. Kupin, A. A. Petrov, 7 pp.

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Studies in the Field of Conjugated Systems. Part XCV. Reaction of Piperylene With Its HCl Addition Product and With the 1,4 HCl Addition Product of Isoprene, by A. A. Petrov, N. A. Razumova, M. L. Genusov, 6 pp.

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Investigations on Conjugated Systems. LXXXII. Infrared Spectra of Vinylacetylenic and Dienic Ethers, by A. A. Petrov, G. I. Semenov, 4 pp.

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Conjugated Systems. LXXXIX. Influence of Various Factors on the Yield of Geranyl Chloride in the Reaction of Isoprene with Its Hydrochlorides, by A. A. Petrov, Kh. V. Bal'ian, Yu. I. Kheruze, E. Yu. Shvarts, L. L. Cherenkova, 8 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII, No 6, 1958, pp 1435-1443.

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Investigation of Conjugated Systems. LXXXVII. Addition of α-Chloro- and α-Bromo-Ether to Chloroprene, by B. A. Vovsi, A. A. Petrov, 5 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII, No 6, 1958, pp 1426-1431.

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Conjugated Systems. CXIX. The Direction of Electrophilic Addition to Unsymmetrical Dienes. Reaction of N,N-Dibromosulfonamide with Alcohol Solutions of Divinylacetylene and its Homologs, by A. A. Petrov, Yu. I. Porfir'yeva, 5 pp.

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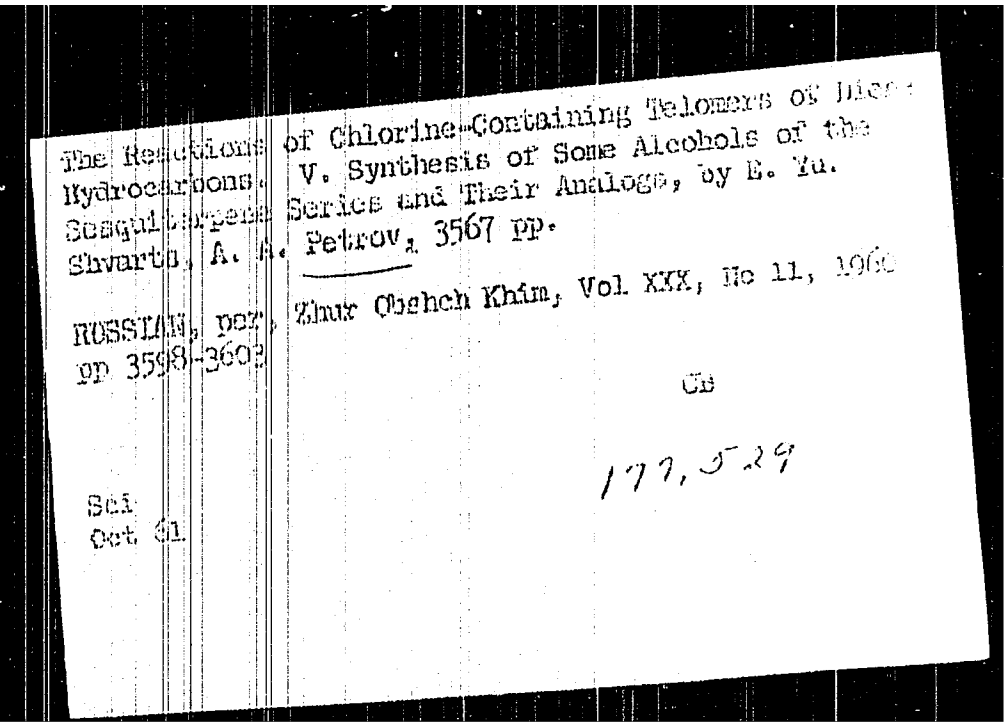

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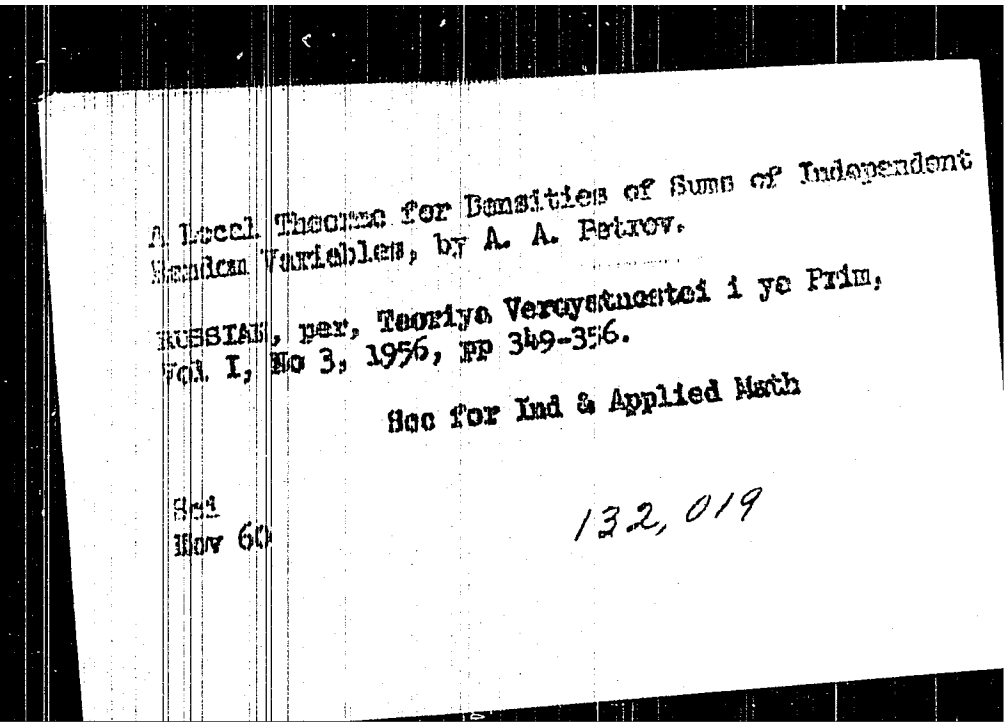

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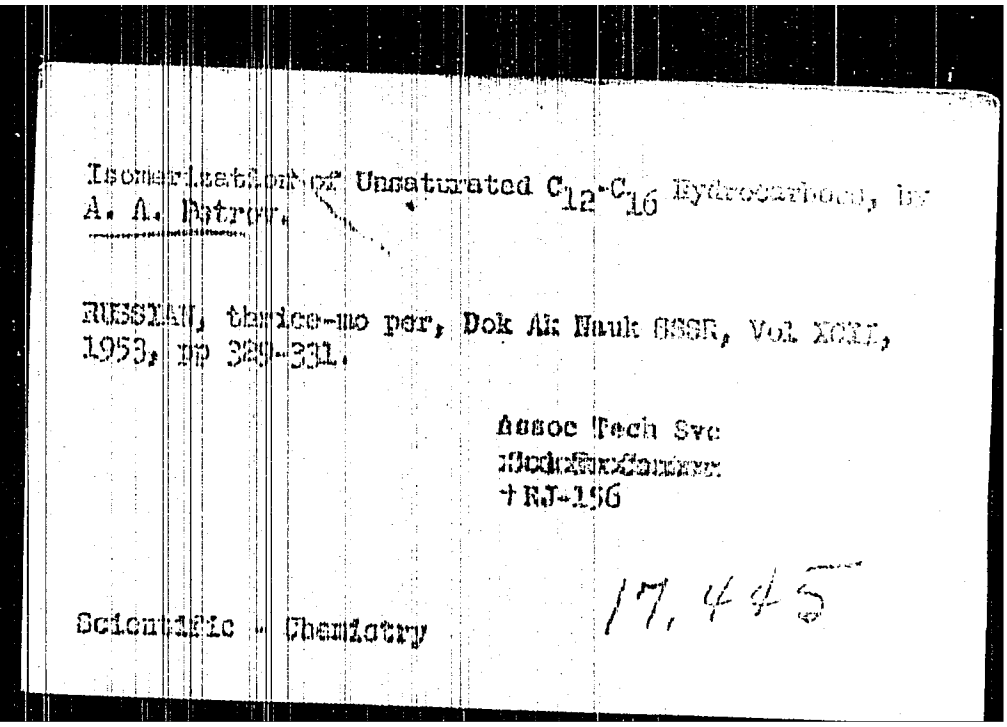

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